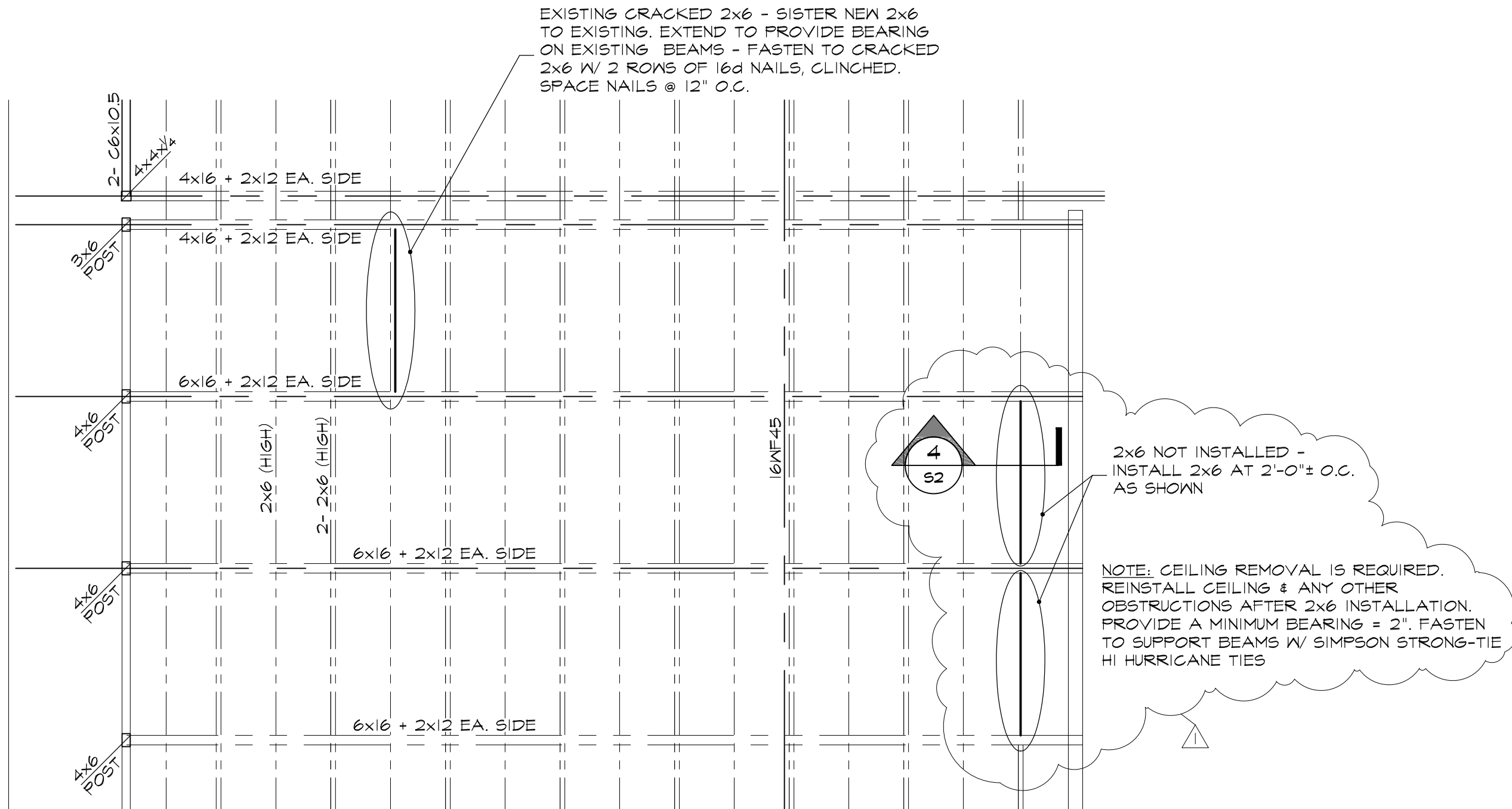
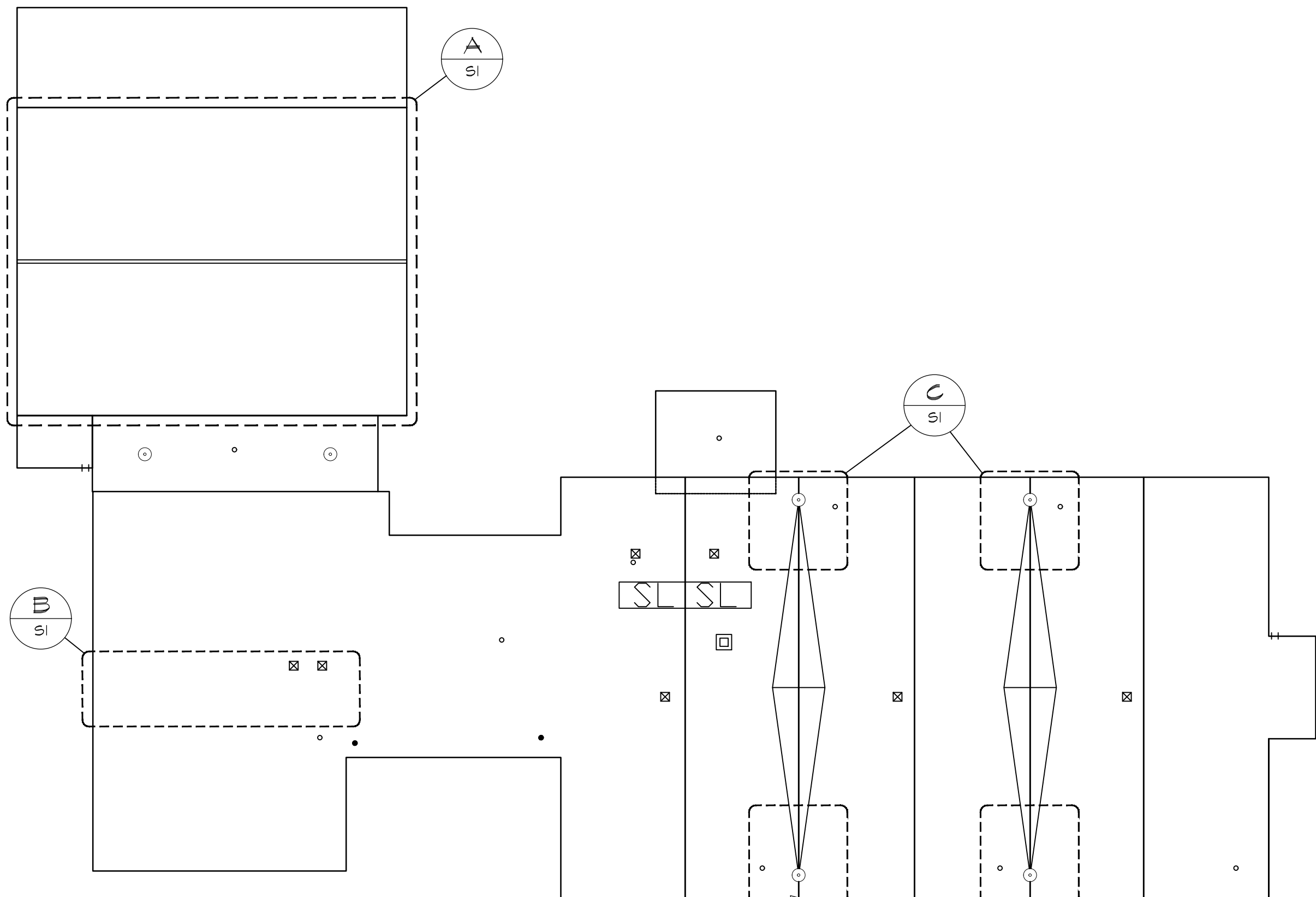


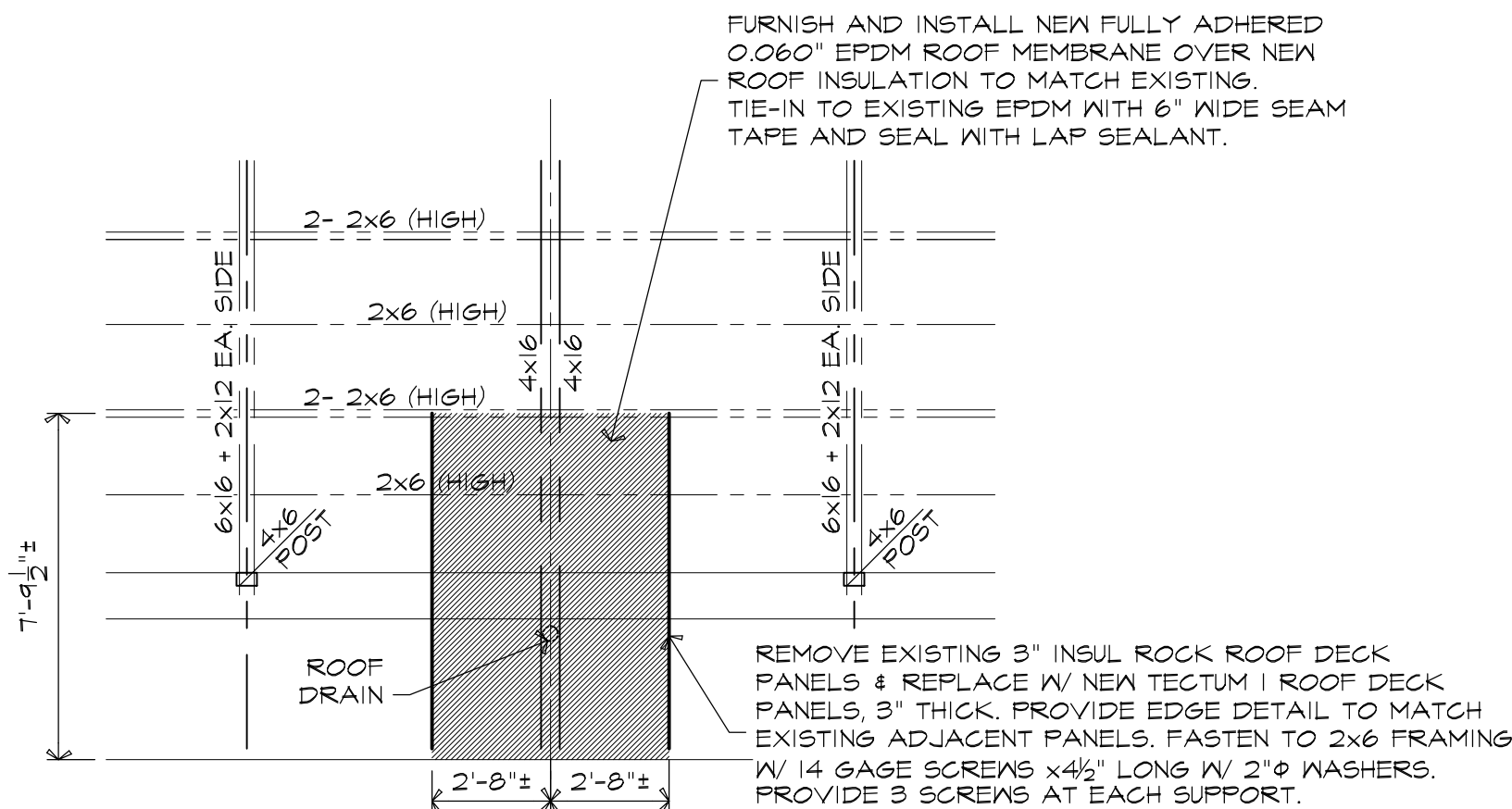
**A PART PLAN AT NORTHWEST ADDITION**  
1/8" = 1'-0"



**B PART PLAN AT NORTH END**  
1/4" = 1'-0"



**KEY PLAN**  
1/8" = 1'-0"



**C PART PLAN AT ROOF DRAIN**  
1/4" = 1'-0"

NOTE: ROOF DECK REPLACEMENT SHOWN APPLIES AT 4 ROOF DRAIN LOCATIONS

#### GENERAL NOTES


- REINFORCEMENTS TO EXISTING ROOFS ARE DESIGNED TO COMPLY WITH THE 2009 EDITION OF THE INTERNATIONAL BUILDING CODE AND "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES" BY THE AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE7-05).
  - GROUND SNOW LOAD  $P_g = 100$  PSF.
  - SNOW LOAD IMPORTANCE FACTOR  $I_s = 1.0$
  - EXPOSURE FACTOR  $C_e = 1.0$
  - THERMAL FACTOR  $C_t = 1.0$
  - FLAT ROOF SNOW LOAD  $P_f = 72$  PSF.
  - SLOPED ROOF FACTOR AT GYM  $C_s = 0.8$
  - SLOPED ROOF SNOW LOAD AT GYM  $P_s = 56$  PSF.
- DESIGN FOR SNOW DRIFTING, SLIDING, AND UNBALANCED SNOW LOADS COMPLIES WITH ASCE7-05.
- DIMENSIONS INDICATED AS "1/2" ARE TAKEN FROM EXISTING CONDITIONS. VERIFY WITH FIELD MEASUREMENTS PRIOR TO FABRICATION OR INSTALLATION OF AFFECTED PARTS OF THE WORK.
- VERIFY ALL MEMBER SIZES AND SPACINGS PRIOR TO PROCEEDING WITH AFFECTED PARTS OF THE WORK.
- REMOVE ANY ITEMS THAT OBSTRUCT THE INSTALLATION OF SPECIFIED REINFORCEMENTS. REPLACE AFTER STRUCTURAL REINFORCEMENT HAS BEEN INSPECTED. REMOVAL AND REINSTALLATION COSTS SHALL BE INCLUDED IN THE BID.
- ALL STEEL WORK SHALL COMPLY WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS", 2010 EDITION (AISC 360-10).
- NO WELDING IS PERMITTED IN THE GYMNASIUM. ALL ATTACHMENTS SHALL BE DONE BY BOLTING, SCREWING, OR OTHER APPROVED METHODS.
- STEEL PLATES AND ANGLES SHALL BE ASTM A36.
- BOLTS FOR CONNECTING STEEL MEMBERS SHALL BE ASTM A325N, SIZE AS INDICATED OR REQUIRED TO SUPPORT DESIGN LOADS. FIELD TIGHTEN TO SNUG-TIGHT CONDITION PER THE "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS" BY THE RESEARCH COUNCIL OF STRUCTURAL CONNECTIONS, 2004 EDITION.
- CLEAN NEW STEEL TO SSPC SP3, POWER TOOL CLEANING, IN SHOP. APPLY SHOP PRIMER, TMEC 10-99 FROM THE RIGHTER GROUP OR EQUAL TO A MINIMUM DRY FILM THICKNESS OF 2.0 MILS.
- INSTALL FINISH PAINT THE SAME AS EXISTING IN 2 COATS.

#### BEAM REPAIR NOTES

- WHERE INDICATED, REPAIR DETERIORATED BEAM WITH EPOXY REPAIR FROM ABATRON, INC. OR EQUAL.
- REMOVE ALL ROTTED WOOD. WHERE NECESSARY, REMOVE SOUND WOOD AS REQUIRED TO ACCESS ROTTED WOOD AT CORNER COLUMNS.
- ALLOW WOOD TO DRY. REPAIRS MUST BE APPLIED TO DRY WOOD.
- THOROUGHLY MIX COMPONENTS OF LIQUIDWOOD AT A 1:1 RATIO. COAT WOOD IN THE VICINITY OF THE REPAIR WITH LIQUIDWOOD. APPLY IN COATS UNTIL SURFACE ATTAINS A SHINY APPEARANCE. FOLLOW THE MANUFACTURER'S SPECIFICATIONS FOR APPLICATION TEMPERATURE AND OTHER ASPECTS.
- ALLOW LIQUIDWOOD TO CURE PER MANUFACTURER'S SPECIFICATIONS.
- APPLY WOODPOX IN MULTIPLE COATS AS REQUIRED TO RETURN THE BEAM CROSS-SECTION TO ITS ORIGINAL DIMENSIONS. THOROUGHLY MIX WOODPOX COMPONENTS TO A 1:1 RATIO AS SPECIFIED BY THE MANUFACTURER. ADHERE TO THE MANUFACTURER'S SPECIFICATIONS FOR APPLICATION TEMPERATURES, THICKNESS OF APPLICATION, AND CURE TIME BETWEEN COATS. DISCARD ANY REMAINING WOODPOX AFTER IT BEGINS TO HARDEN. APPLY WOODPOX ONLY WHEN AT A FLUID CONSISTENCY.
- ALLOW WOODPOX TO FULLY HARDEN BEFORE INSTALLING ANY FASTENERS.
- APPLY 2 COATS OF STAIN TO THE EXPOSED BEAM END. USE THE SAME STAIN AS EXISTING.

#### WOOD FRAMING NOTES

- DIMENSIONED LUMBER SPECIFIED SHALL BE #2 OR BETTER, SPRUCE-PINE-FIR GRADED UNDER NLGA RULES.
- ALL SUBSTITUTION REQUESTS SHALL BE APPROVED BEFORE INSTALLING.
- WHERE FASTENING IS NOT SPECIFIED, PROVIDE FASTENING IN ACCORDANCE WITH TABLE 2304.9.1 FROM THE 2009 EDITION OF THE INTERNATIONAL BUILDING CODE.
- PROPRIETARY FRAMING CONNECTORS SHALL BE PRODUCTS FROM SIMPSON STRONG-TIE UNLESS OTHERWISE INDICATED. INSTALL WITH ALL FASTENERS RECOMMENDED BY THE MANUFACTURER UNLESS OTHERWISE NOTED. WHERE MORE THAN ONE FASTENING RECOMMENDATION EXISTS, INSTALL THE FASTENERS SPECIFIED FOR THE HIGHEST CAPACITY.
- LAG SCREWS SHALL COMPLY WITH ANSI/ASME STANDARD B18.2.1. WITH STEEL COMPLYING WITH SAE J429, GRADE 1 (MINIMUM YIELD STRENGTH = 36 KSI).
- BOLTS SHALL COMPLY WITH ASTM A307, WITH THREADS IN COMPLIANCE WITH ANSI/ASME B18.2.1.
- WHERE NEW 2x6 ROOF PURLINS ARE SPECIFIED TO BE INSTALLED, FASTEN TO SUPPORTS THE SAME AS EXISTING, ADJACENT PURLINS.

S1		Lincoln/Haney Engineering Associates, Inc. 6 Federal Street Brunswick, Maine 04011 Phone: 207-729-1061 Fax: 207-729-2941				CONCOR CONSOLIDATED SCHOOL CONCOR TOWNSHIP, MAINE		PART PLANS & NOTES	